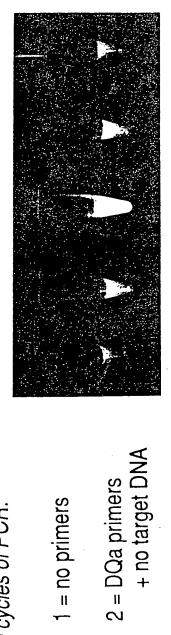
FIG.



1 = no primers

0 cycles of PCR:

2 second exposure

 \Box

3 = DQa primers + DQa target

25 cycles of PCR:

5 = DQa primers + no target

4 = DQa primers + DQb target

1/2 second exposure

In-tube, homogeneous detection of PCR product by EtBr fluorescence

0 cycles of PCR:

1 = no primers

+ no target DNA 2 = DQa primers

2 S

3

exposure 2 second

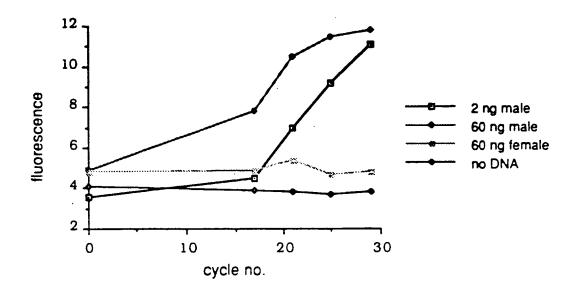
25 cycles of PCR:

3 = DQa primers + DQa target

4 = DQa primers + DQb target 5 = DQa primers + no target

1/2 second exposure

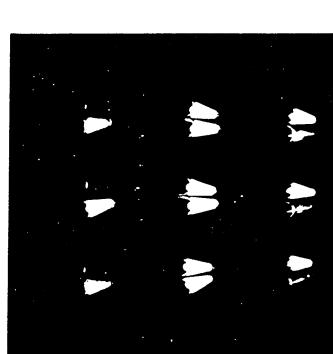
EtBr fluorescence measurement over PCR time-course: male DNA detection



F, 2

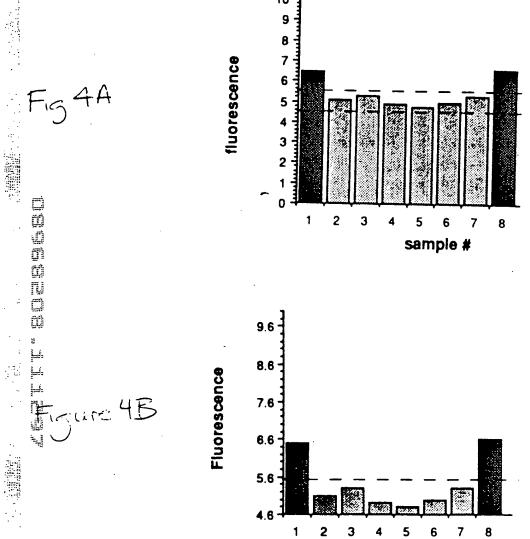
EtBr-Fluorescence/PCR screen for Sickle Cell Anemia

In tube detection of allele-specific amplification product

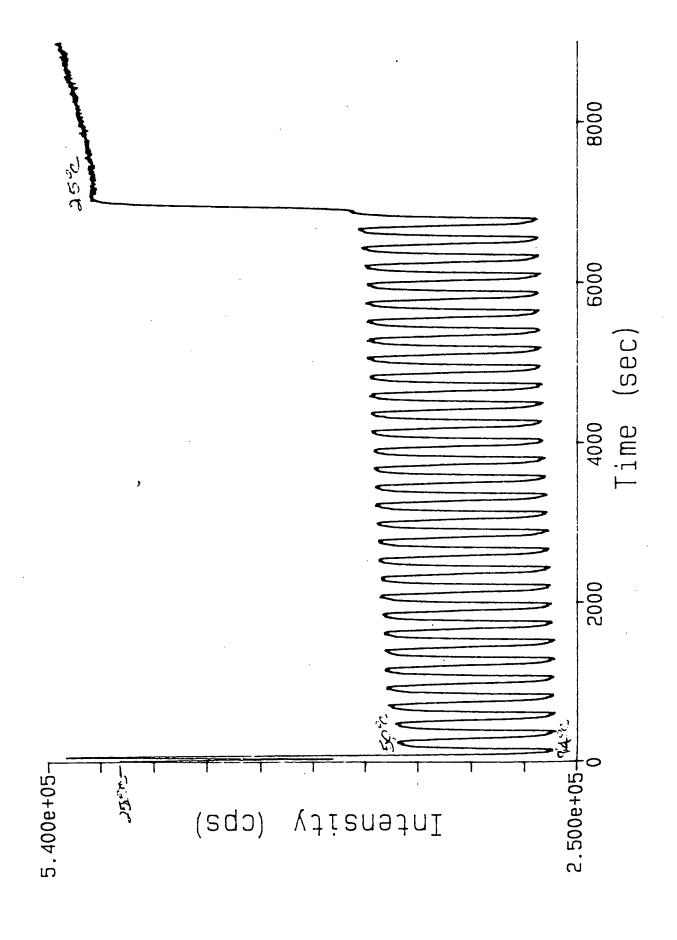


Homozygous AA Heterozygous AS Homozygous SS

750



Sample #



ASSTIT SISSISSI

TESTIT SOSSOS

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